BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 ATTORNEY DOCKET NO. 3273-0181P

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PROCESS FOR PRODUCING EPSILON-CAPROLACTONE

Insert Title:	TROCESS TORT RODGER TO E.	0.20.						
	the specification of which is attached here	to. If not attached hereto						
Fill in Appropriate	the specification was filed on			a	s			
Information -	United States Application Num	ber			.;			
For Use Without Specification Attached:	and amended on		(if applicable); and/or					
	the specification was filed on		as PCT					
	International Application Numb	er	; and was					
	amended on		(if applicable)					
	I hereby state that I have reviewed and by any amendment referred to above. I acknowledge the duty to disclose in §1.56. I do not know and do not believe the thereof, or patented or described in any prior to this application, that the same was application, that the invention has not be application in any country foreign to the more than twelve months (six months foon this invention has been filed in any corepresentatives or assigns, except as followed in the property of t	nformation which is material same was ever known printed publication in an as not in public use or of the patents of American designs) prior to this accountry foreign to the Lows. efits under Title 35, Unitable also identified believed.	rial to patentability as defined in or used in the United States of my country before my or our into a sale in the United States of Amhe subject of an inventor's cert a on an application filed by me application, and that no applicat United States of America prior to ted States Code, \$119 (a)-(d) of the way foreign application for	Title 37, Code of Federal f America before my or o vention thereof or more the terica more than one year dificate issued before the or my legal representative ion for patent or inventor o this application by me f any foreign application(Regulations, our invention han one year prior to this date of this es or assigns 's certificate or my legal			
	a filing date before that of the application on which priority is claimed:							
Insert Priority Information: (if appropriate)	Prior Foreign Application(s)	JAPAN	October 22, 20		Claimed			
	2002-306710 (Number)	(Country)	(Month / Day / Year F		□ No			
	(Humber)	(00,	,					
	(Number)	(Country)	(Month / Day / Year F		No			
	(Number)	(Country)	(Month / Day / Year F	iled) Yes	No			
	(Number)	(Country)	(Month / Day / Year F	iled) Yes				
	(Number)	(Country)		103	No			
Insert Provisional Application(s):	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.							
	(Application Number)			(Filing Date)				
	(Application Number)	100 P		(Filing Date)				
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed more than 12 months (6 months for designs) Prior to the Filing Date of this Application:							
Insert Requested Information: (if appropriate)	Country		Application Number	Date of Filing (Month/Day/Year)				
Insert Prior U.S.	I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:							
Application(s):	(Application Number)	(Filing I	Date) (Star	(Status - patented, pending, abandoned)				
Page 1 of 2	(Application Number)	(Filing I	Date) (Stat	us - patented, pending, abando	oned)			

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

PLEASE NOTE: YOU MUST BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292 P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

COMPLETE THE FOLLOWING:							
Pull Name of First or Sole Inventor: Insert Name of Inventor Insert Date This	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*		
	Eiji	OHARA	Eiji OHARA		Sep. 29,2003		
Document is Signed Insert Residence Insert Citizenship	Residence (City, State & Country) Otake-shi, HIROSHIMA, JAPAN			CITIZENSHIP JAPAN			
Insert Mailing Address	MAILING ADDRESS (Complete Street Address including City, State & Country) 6-8-2, Kuba, Otake-shi, HIROSHIMA 739-0651 JAPAN						
Full Name of Second	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*		
Inventor, if any:	Ken-ichiro	KAWAZUMI	Ken-ichiro Kawaza	<i>e</i> mi	Sep. 29, 2003		
see above	Residence (City, Sta	te & Country)	Treat total by the second	CITIZENSHIP	<i>D p</i> . • <i>r</i> .		
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	74-3, Tai, Aboshi-ku, Himeji-shi, HYOGO 671-1221 JAPAN						
Full Name of Third Inventor, if any	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*		
see above	Residence (City, Sta	te & Country)		CITIZENSHIP			
	MAILING ADDRESS	(Complete Street Address in	cluding City, State & Country)				
Pull Name of Fourth Inventor, if any	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*		
see above	Residence (City, Sta	te & Country)		CITIZENSHIP	I		
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
Pull Name of Fifth Inventor, if any	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE*		
see above	Residence (City, Sta	te & Country)		CITIZENSHIP			
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
Page 2 of 2 (Revised 01/02)							
	 DATE OF SIGNATULE 	RE					